

LECTOTYPIFICATION OF *ARCTOSTAPHYLOS HOOVERI* (ERICACEAE)

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ABSTRACT

The holotype of *Arctostaphylos hooveri* P. V. Wells, cited as having been deposited in the Robert F. Hoover Herbarium, California Polytechnic State University (OBI), apparently is not extant. The isotype deposited in the University Herbarium (UC) at the University of California, Berkeley (*Hoover & Wells 1960* — UC 1218855) is designated as the lectotype, and the isotype in the California Academy of Science Herbarium (CAS 423565) is thereby an isolectotype. *Hoover 8520* (OBI 175682) is recognized as a paratype.

Key Words: *Arctostaphylos hooveri*, Ericaceae, lectotypification.

Wells (1961) described a new species, *Arctostaphylos hooveri*, from Monterey Co., CA. In his introduction Wells stated: “In April, 1960, Dr. Robert F. Hoover collected flowering specimens of a Manzanita near the summit of Nacimiento Pass, Monterey Co., California, which appeared to be a variant close to *Arctostaphylos andersonii* A. Gray. The writer visited the locality on May 1, and made additional collections and observations.” Apparently Hoover and Wells traveled together on this second trip. In the type citation Wells stated that “the [holo]type, *Hoover & Wells 1960*, collected on May 1, 1960, is in the herbarium at California Polytechnic College, San Luis Obispo [OBI]. Isotypes are at the California Academy of Sciences [CAS] and University of California, Berkeley [UC].” The label on the UC isotype was typed onto a University of California label form and bears the following data: California. Monterey Co.: “Tall erect shrub to over 12 feet high, with well-defined trunk lacking a basal burl. Roadside clearings in forest of broad sclerophylls and local *Pinus ponderosa*; on shallow soils over gneissic bedrock; along road leading south from Nacimiento Pass, altitude ca. 3000 feet.”

The number 1960 is not Hoover’s collection number; *Hoover 1960* was a 1937 *Lupinus* collection from Tuolumne Co., CA. Nor was it Wells’s number; according to collection records in the Consortium of California Herbaria database (CCH), Well’s collection numbers between April 12 and June 30 of 1960 ranged from 43 to 75. The number 1960 most likely represents the year of the collection.

A specimen was located among the OBI types labeled *Arctostaphylos hooveri* Wells sp. nov. (OBI 75682). The words “TYPE SHEET!” are printed in pencil in an unknown hand directly on the mounting paper next to the label. The

collecting data were typed onto one of Hoover’s personal collecting labels (which actually bears a pre-printed San Luis Obispo Co. heading): “Monterey County. In roadside chaparral near summit of Nacimiento Pass. Erect, without burl. April 1960.” The collection number 8520 was hand-written in ink, probably by Hoover, as is the “Sp. Nov.” following the typed name “*Arctostaphylos hooveri* Wells”. The herbarium identification “HERBARIUM of California State Polytechnic College, San Luis Obispo, California” was stamped onto the mounting paper at an unknown date, presumably before 1972 when Cal Poly became a university.

Hoover’s collection notebook records for 1960 (deposited in OBI) do not record either the April 1960 excursion or a collecting trip with P. V. Wells in May. Hoover did not record trips in which he made no numbered collections. On April 9, 1960 Hoover collected numbers 8517–8520 along the coast of San Luis Obispo Co. from the vicinity of Lion Rock to the mouth of Coon Creek (localities now part of the Pacific Gas and Electric Company’s Field Ranch holdings north of Diablo Canyon Nuclear Power Plant). According to Hoover’s notes, the collection number 8520 is a *Ceanothus* from the mouth of Coon Creek. The notebook entry (in ink) is followed by a penciled “Molded.” Examination of the *Hoover 8520 Ceanothus* specimen in OBI (*Ceanothus thyrsiflorus* var. *griseus*) reveals that it did, indeed, suffer mold damage during drying, but it was nevertheless processed. The next entry in Hoover’s notebook, 8521, was an *Allium* specimen collected on May 13, 1960 from Rinconada Mine in San Luis Obispo County.

It would appear that Hoover retroactively assigned the collection number 8520 to the Monterey Co. *Arctostaphylos* specimen, thinking that he would discard the mold-damaged *Ceanothus*

specimen to which he had originally assigned that number. But both were mounted and are now deposited in OBI.

No specimen of *Hoover and Wells 1960* has been located in OBI. All California *Arctostaphylos* specimens in OBI have been databased, and the records have been submitted to CCH. As far as I am able to determine the holotype of *A. hooveri* is not extant. Accordingly, I am here designating the isotype deposited in UC (*Hoover & Wells 1960* — UC 1218855) as the lectotype; the isotype in CAS (CAS 423565) is thereby an

isolectotype. *Hoover 8520* (OBI 75682) is apparently the April 1960 specimen mentioned by Wells (1961) and is here recognized as a paratype of *A. hooveri*; no isoparatypes are cited in CCH.

LITERATURE CITED

- CONSORTIUM OF CALIFORNIA HERBARIA. Website <http://ucjeps.berkeley.edu/consortium/> [accessed 03 Feb 2012].
- WELLS, P. V. 1961. A new manzanita from the Santa Lucia Range, California. *Leaflets of Western Botany* 9:152–153.